

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Ronald W. Waynant

Art Unit: _____

Application No. _____

Filed: Herewith

For: TIME-GATED IMAGING WITH A SPLIT-
BEAM SOURCE

Examiner: Not Yet Assigned

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PRELIMINARY AMENDMENT

Prior to examination of the above-identified patent application, please amend the application as follows to comply with national stage requirements:

In the Specification:

On page 1, after the title, please insert the following paragraph:

--Priority Claim

This is a § 371 U.S. national stage of PCT/US00/24308, filed August 31, 2000, which was published in English under PCT Article 21(2), and claims the benefit of U.S. Application No. 60/153,100, filed September 9, 1999.--

Please replace the paragraph beginning at page 2, line 8 with the following rewritten paragraph:

--In one such system, X-rays with energies of up to 2MeV were produced from ultra-short pulse driven laser-produced-plasma (LPP). This system utilized an ultra-short pulse laser (0.5 TW, 125 femtosecond, 60 mJ Ti:sapphire laser) focused onto a solid Ta target. First, a low intensity, long duration pre-pulse was used to create a low density plasma in front of the target. Then the main laser pulse was focused to an intensity of $> 10^{18}$ W/cm² onto the target. The main